1st International Conference & 10th National Horticultural Science Congress of Iran (IrHC2017)

4-7 September 2017
Tarbiat Modares University (TMU), Tehran, Iran

Organizers
- Tarbiat Modares University (TMU)
- Iranian Society for Horticultural Science (IrSHS)
- Deputy Ministry of Agriculture of Iran in Horticulture
- International Society for Horticultural Science (ISHS)

Invitation
It is my pleasure to invite you to attend the "First International Conference & 10th National Horticultural Science Congress of Iran (IrHC2017)" which will be held at Tarbiat Modares University (TMU) in Tehran, the capital city of Iran, from 4-7 September 2017. The main theme of the IrHC2017 is "Productivity of Horticultural Crops in Iran: Potentials, Production Limitations, Possible Solutions and International Collaborations".

The Iranian Horticultural Science Congress (IrHC) usually held every two to four years since 1996 in different cities of Iran and attracting more than 800 to 1000 delegates. The IrHC2017 organized under Iranian Society for Horticultural Science (IrSHS), Department of Horticultural Science at Tarbiat Modares University (TMU) and Deputy Ministry of Agriculture of Iran in Horticulture in Tehran. For the first time, TMU and IrSHS with the collaboration of other IrHC2017 organizers decided to organize the “First International Horticultural Science Conference” at the same time or just after the 10th National Horticultural Science Congress of Iran, under the aegis of International Society for Horticultural Science (ISHS).

According to the main IrHC role, the IrHC2017 will cover all aspects of Horticultural Science mainly on Pomology and Fruit Culture, Floriculture, Vegetable Crops, Medicinal Plants and Landscape and Urban Horticulture. In addition to the 10th National Congress, this is the experience of the “First International Horticultural Science Conference of Iran”, giving the opportunity for Iranian and International colleagues and delegates exchange their knowledge and experience and discuss possible further collaboration in all aspects of Iran Horticultural Science. Finally, this event has great potential for international cooperation especially to those participants that want become member of ISHS. Also, this is a good opportunity for scientists of all over the world to visit and familiar with Iran as a big, historic and beautiful country with friendly people and potential horticulture industry.

I look forward to welcoming you to Tarbiat Modares University (TMU), Tehran, Iran attending the “First International Conference & 10th National Horticultural Science Congress of Iran (IrHC2017)” from 4-7 September 2017.

Kind Regards
Prof. Kazem Arzani
IrHC2017 Convener
About Iran

Iran is located in the Northern Hemisphere between 25° and 40° latitudes and 44° and 63° east longitudes. The total area of the country is 1,648,195 million square kilometers. The world’s largest lake, the Caspian Sea, is located in the north and the Persian Gulf is located in the south of the country. The overall climatic condition of the country is temperate, although there are many microclimates with wide climate diversity throughout the country.

The agriculture sector in Iran has been viewed as a fundamental contributor to the economy of the country. Currently, agriculture provides 25% of Iran’s GNP, 27% of employment and 85% of food demand satisfaction, as well as a large capacity for export of several agricultural and horticultural commodities. Horticulture is one of the most important sectors of agriculture industries in Iran. In addition, Iran enjoys specific geographical conditions such as benefiting from approximately 250 sunny days per year, the capacity for cultivation of more than 400 agricultural and horticultural crops throughout the country, and dramatic climate diversity. As a whole, these features make it possible to produce high quality of various agricultural and horticultural crops, e.g. Iran’s horticulture sector consists of 2 million ha orchards with annual production of more than 15 million tons of fruit. In addition of 800,000 ha of vegetable crops, strength floriculture industry as well as medicinal plants, Iran is a rich country in native germplasm for various horticultural crops. In addition, the high quality of some Iranian products, especially dates, pistachios, figs and pomegranates, for which the country holds the first position in the world, are well known in the world fruit market.

Therefore, Iran has a good potential for increasing both the quality and quantity of horticultural crops to provide the world’s horticultural markets with a wide diversity of fruits and other horticultural crops.

About TMU

Tarbiat Modares University (TMU) is the first and only graduate school in Iran. The university primary mission is to train academic staff and researchers for universities and higher education centers throughout the country. Since its establishment in 1982, the university has made numerous achievements in academic excellence and innovative research at the national and international levels. It has also established several academic relations with distinguished national and international academic and industrial institutions. This includes student exchange agreements, publication of books and journals and holding national and international meetings and conferences.

TMU currently has 171 departments for education at the Master’s level, and 131 departments at the Doctorate level in 16 College including Faculty of Agriculture, Civil & Environmental Engineering, Arts, Mechanical Engineering, Chemical Engineering, Electrical & Computer Engineering, Natural Resources & Marine Sciences, Management & Economics, Engineering, High Technologies, Biological Sciences, Mathematical Sciences, Medical Sciences, Basic Sciences, Humanities and Law. TMU currently has more than 700 Faculty and Senior Academics with 9118 MSc and PhD students. Note that since its establishment in 1982, the number of 9118 MSc and PhD students have been graduated from TMU in which more than 300 of these students were graduated from Department of Horticultural Science during last three decades since establishment. Tarbiat Modares University (TMU) with top-ranked programs in
the sciences, engineering, computing, agriculture, arts, natural resources, and related areas, is committed to educate future leaders in science and technology.

About IrHC

The IrHC is organized every 2-4 years under Iranian Society for Horticultural Science (IrSHS), Ministry of Agriculture and one of the main Iranian Universities. The first IrHC was held in 1996 at Karaj city and the Ninth IrHC was held from 25-28 January 2016 in Ahvaz, Iran, so the next IrHC2017 will be held at TMU at Tehran (Table 1).

IrHC usually emphasizes on the exchange of knowledge and experience mainly on the native horticultural plants and products as well as potential exotic horticulture plants, so usually cover all aspects in Pomology (Fruit culture), Floriculture, Vegetable Crops and Medicinal Plants. According to the statistics, IrHC usually attracting more than 500 to 1000 national delegates. In the IrHC2017, we hope to attract participants from all over of the World and share with Iranian colleague’s experiences and achievements obtained by the Iranian National Universities, Research Institutes and centers and also private horticulture sectors.

Table 1. The history information of the past and next future held Iran Horticultural Science Congress 1996-2017 (IrHC)

<table>
<thead>
<tr>
<th>IrHC</th>
<th>Place, Host University</th>
<th>N*/I**</th>
<th>Oral</th>
<th>Posters</th>
<th>IS***</th>
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<tr>
<td>1</td>
<td>IrHC1996 Karaj, IrSHS</td>
<td>N</td>
<td>120</td>
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<td>2</td>
<td>IrHC2000 Karaj, University of Tehran</td>
<td>N</td>
<td>214</td>
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<td>3</td>
<td>IrHC2003 Karaj, University of Tehran</td>
<td>N</td>
<td>141</td>
<td>244</td>
<td>1</td>
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<td>4</td>
<td>IrHC2005 Mashhad, Ferdowsi University</td>
<td>N</td>
<td>189</td>
<td>454</td>
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<td>5</td>
<td>IrHC2007 Shiraz, Shiraz University</td>
<td>N</td>
<td>218</td>
<td>517</td>
<td>-</td>
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<td>6</td>
<td>IrHC2009 Rasht, University of Guilan</td>
<td>N</td>
<td>214</td>
<td>424</td>
<td>-</td>
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<td>7</td>
<td>IrHC2011 Isfahan, Isfahan University of Technology</td>
<td>N</td>
<td>225</td>
<td>864</td>
<td>-</td>
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<td>8</td>
<td>IrHC2013 Hamadan, Bu-Ali Sina University</td>
<td>N</td>
<td>241</td>
<td>1028</td>
<td>-</td>
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<td>9</td>
<td>IrHC2016 Ahvaz, Shahid Chamran University</td>
<td>N</td>
<td>142</td>
<td>563</td>
<td>3</td>
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<td>10</td>
<td>IrHC2017 Tehran, Tarbiat Modares University (TMU)</td>
<td>N/I</td>
<td>First International IrHC</td>
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*N= National Congress; **I=International Conference; ***IS = International Speakers

About ISHS

For more information refer to ISHS website at [www.ishs.org](http://www.ishs.org)

General Objectives of IrHC2017

The main theme of the IrHC2017 is “Productivity of Horticultural Crops in Iran: Potentials, production limitations, possible solutions and international collaborations”. IrHC2017 will cover all aspects of horticulture mainly on Pomology and Fruit culture, Floriculture, Vegetable Crops and Medicinal Plants. There are some limitations for horticulture industry in Iran, such as shortage of water, drought, salinity, late spring frost or other biotic and abiotic stresses. Producing high-quality horticultural crops using suitable genotypes or cultivars that more compatible and fit to the specific set of environmental conditions of Iran using lower main
resources such as irrigation water etc. with lower production cost and higher return is a major concern of Iran horticulture industry. In the other hand, the productivity of Iranian horticultural crops related to water shortage and other environmental stresses using scientific and modern management techniques might be the major discussion and important tasks in the congress. The reduction of postharvest losses of horticultural crops, attention to the native Iranian horticultural gene pool and germplasm and also, the impact of possible global environment change on horticulture industry is another major concern. Although the congress topics will not limit to the mentioned important tasks, so IrHC2017 also welcome and consider the other related new ideas and research results on any of potential horticultural crops in the form of oral, poster or specific panel discussion and workshop during the congress.

In addition to the 10th National Congress, this is the first experience of the IrHC International Horticulture Conference in Iran, giving the opportunity for Iranian and International colleagues and delegates exchange their knowledge and experience and establish of possible further collaboration in all aspects of Iran Horticultural Science.

Main Topics

- Horticultural Engineering
- Molecular Biology and Plant Genetic Resources
- Environmental Stresses and Plant Protection
- Nutrition, Irrigation and Plant Water Relations
- Plant Substrates and Soilless Cultures
- Quality and Postharvest
- Landscape and Urban Horticulture

Language

The official language of the First International Conference and 10th National Horticultural Science Congress of Iran (IrHC2017), in the International part is English and in the National part is Persian.

Key Dates

- Start of Abstract Submission: 1st October 2016
- **Deadline for Abstract Submission: 15th February 2017**
- Deadline for Abstract Modification: 1st March 2017
- Date of Abstract Acceptance Notification: 15th April 2017
- Deadline for Full Paper Submission: 1st July 2017
- Deadline for Full Paper Modification: 1st August 2017
Note that, the guidelines for Abstract submission are available in the IrHC2017 website.

Congress Structures

IrHc2017 included two national and international parts with inter-related organization. In addition, IrHC2017 has two scientific committee; National and International in order to handle and care about all scientific activities including all presentations.
Program Outline & Key Speakers
Program outlines and key speakers will be announced as soon as finalized.

Possible Workshops & Exhibitions
Possible workshops and exhibitions will be announced as soon as finalized.

International Scientific Committee
- Dr Hamid Abdollahi, Horticultural Science Research Institute (HSRI), Iran
- Dr Rashid Al-Yahyai, Sultan Qaboos University, Oman
- Dr Paul Arens, Wageningen University, The Netherlands
- Prof. Kazem Arzani, Tarbiat Modares University (TMU), Iran. Vic-President of Iranian Society for Horticultural Science (IrSHS)
- Dr Damiano Avanzato, International Horticulturist Consultant, Italy. ISHS Chair, Commission Plant Genetic Resources
- Prof. Majid Azizi, Ferdowsi University, Iran. IrSHS Board Member
- Prof. Mohsen Barzegar, Tarbiat Modares University (TMU), Iran
- Prof. Hossein Behboudian, Massey University, New Zealand
- Prof. Horst Caspari, Colorado State University, USA
- Professor Kostas Chartzoulakis, Institute for Olive Tree, Chania, Crete, Greece
- Prof. Guillermo Cruz Castillo, Chapingo Autonomous University, Mexico
- Prof. Lailiang Cheng, Cornell University, USA
- Prof. Mohamad Chizari, Tarbiat Modares University (TMU), Iran
- Dr Hamid Dehghani, Tarbiat Modares University (TMU), Iran
- Prof. Theodore DeJong, UC Davis, USA. ISHS Chair, Section Pome and Stone Fruits
- Prof. Esmaeil Fallahi, University of Idaho, USA. ISHS Vice-Chair, Commission Irrigation and Plant Water Relations
- Prof. Mohammad Mehdi Fayyaz, University of Wisconsin-Madison, USA
- Prof. Carlo Fideghelli, Italy. Former Director of CRA Fruit Research Center, Rome
- Prof. Reza Fotouhi, University of Guilan, Iran. President of Iranian Society for Horticultural Science (IrSHS)
- Dr Keith Funnell, Institute for Plant and Food Research, New Zealand
- Prof. Mansour Gholami, Bu-Ali Sina University, Iran
- Dr Darab Hasani, Horticultural Science Research Institute (HSRI), Iran
- Prof. Akihiro Itai, Kyoto Prefectural University, Japan
- Prof. Mohsen Kafi, University of Tehran, Iran. IrSHS Board Member
- Dr Ghasem Karimzadeh, Tarbiat Modares University (TMU), Iran
- Prof. Morteza Khoshkhui, Shiraz University, Iran
- Dr Tahir Khurshid, Department of Primary Industries, NSW, Australia
- Prof. Daniel Leskovan, Texas A&M, USA. ISHS Chair, Section Vegetables, Quality Production Systems, Leafy Green and Non-Root Vegetables
- Prof. Mohamad Jafar Malakouti, Tarbiat Modares University (TMU), Iran
- Prof. Norouolah Moalemie, Shahid Chamran University, Iran. IrSHS Board Member
- Prof. Saeed Moharamipour, Tarbiat Modares University (TMU), Iran
- Prof. Younes Mostofi, University of Tehran, Iran
- Prof. Rohangiz Naderi, University of Tehran, Iran
www.IrHC2017.org

- Dr Mohamad Ali Nejatian, Horticultural Science Research Institute (HSRI), Iran. IrSHS Board Member
- Prof. Mike Nichols, Massey University, New Zealand
- Prof. Silvana Nicola, University of Turin, Italy. ISHS Vice-President
- Dr Sunil Pareek, NIFTEM, India
- Prof. Mohammad Pessarakli, Arizona State University, USA
- Prof. Richard Primack, Boston University, USA
- Prof. Majid Rahemi, Shiraz University, Iran
- Prof. Majid Rovnaghi, Shiraz University, Iran
- Prof. Alireza Talaei, University of Tehran, Iran
- Dr Ali Asghar Talebi, Tarbiat Modares University (TMU), Iran
- Prof. R. K. Thakur, Project Coordinator, AICRP (Honeybees & Pollinators), Division of Entomology, IARI, New Delhi, India
- Dr Stuart Tustin, Institute for Plant and Food Research, New Zealand
- Prof. Kourosh Vahdati, University of Tehran, Iran
- Prof. Richard Visser, Wageningen University, The Netherlands
- Prof. Cristos Xiloyannis, University of Basilicata, Potenza, Italy
- Prof. Christopher Brian Watkins, Cornell University, USA. ISHS Chair, Commission Quality and Postharvest Horticulture
- Prof. Zabiholah Zamani, University of Tehran, Iran

National Scientific Committee

- Dr Noroulah Ahmadi, Tarbiat Modares University (TMU)
- Dr Mohamad Esmaeil Amiri, University of Zanjan
- Dr Isal Arji, Horticultural Science Research Institute (HSRI)
- Prof. Kazem Arzani, Tarbiat Modares University (TMU)
- Dr Mehdi Ayyari, Tarbiat Modares University (TMU)
- Dr Alireza Babaei, Tarbiat Modares University (TMU)
- Dr Nasser Bouzari, Horticultural Science Research Institute (HSRI)
- Prof. Mohamad Hossein Daneshvar, Ramin University of Ahvaz
- Dr Mojtaba Delshad, University of Tehran
- Dr Mohamad Taghi Ebadi, Tarbiat Modares University (TMU)
- Prof. Saeed Eshghi, Shiraz University
- Dr Mohamad Reza Fattahi Moghadam, University of Tehran
- Dr Mostafa Ghasemi, Hormozgan University, Bandar Abbas
- Dr Hassan Hajnajari, Horticultural Science Research Institute (HSRI)
- Dr Yousef Hamidoghi, University of Guilan
- Dr Abolghasem Hassanpour, Ministry of Agriculture
- Dr Khodayar Hemati, Gorgan University of Agriculture
- Dr Hossein Hokmabadi, Horticultural Science Research Institute (HSRI)
- Dr Ali Imani, Horticultural Science Research Institute (HSRI)
- Dr Amanolah Javanshah, Horticultural Science Research Institute (HSRI)
- Prof. Abdolkarim Kashi, University of Tehran
- Dr Syamak Kalantari, University of Tehran
- Dr Esmaeil Khaleghi, Shahid Chamran University
- Dr Mahmoud Kousheshsaba, Kurdestan University
- Dr Hassan Khoshghalb, Shahrood University
- Dr Mahmoud Lotfi, College of Aburaihan, University of Tehran
- Dr Mohamad Mahmoudi, Shahid Chamran University
- Dr Mehdi Hosseini Mazinani, National Institute of Genetic Engineering & Biotechnology (NIGEB)
- Dr Seyed Hossein Mirdehghan, Vali-e-Asr University of Rafsanjan
- Prof. Mostafa Mobli, Isfahan University of Technology
- Dr Ahmad Moeini, Tarbiat Modares University (TMU)
- Dr Mohamad Hassan Mortazavi, Shahid Chamran University
- Dr Mousa Mousavi, Shahid Chamran University
- Dr Roghayeh Najafzadeh, Urmia University
- Dr Lotfali Naseri, Urmia University
- Dr Bahman Panahi, Horticultural Science Research Institute (HSRI)
- Dr Mostafa Rahmati, Ramin University of Ahvaz
- Prof. Hamid Reza Roosta, Vali-e-Asr University of Rafsanjan
- Dr Mahmoud Reza Roozban, College of Aburaihan, University of Tehran
- Dr Hossein Sadeghi, Sari University of Agriculture
- Dr Saadat Sarikhani Khorami, Tarbiat Modares University
- Dr Mohamad Jamal Saharkhiz, Shiraz University
- Dr Mehdi Sharifani, Gorgan University of Agriculture
- Dr Abdolali Shojaeian, Tarbiat Modares University (TMU)
- Dr Mohamad Kazem Souri, Tarbiat Modares University (TMU)
- Dr Faryal Varasteh, Gorgan University of Agriculture
- Dr Abbas Yadollahi, Tarbiat Modares University (TMU)
- Dr Navid Yazdani, College of Aburaihan, University of Tehran
- Dr Ali Asghar Zeinanloo, Horticultural Science Research Institute (HSRI)
- Dr Shohreh Zivdar, Shahid Chamran University

Publications

In the international part of IrHC2017, we will follow the ISHS guidelines for publishing the presented papers in the volumes of Acta Horticulturae. We expect and suppose that the output will cover in two to three volumes, in Pomology, Floriculture, Vegetable crops and Medicinal plants. Although, the number of required volumes and further arrangements to be finalized later based on the number of presentations and posters. The ISHS Science Editor may invite authors of exceptional presentations to submit a full-text article for consideration by the Editorial Board and reviewers of the ISHS journal eJHS.

In the national part of the congress, the limited number of distinguished papers that indicated by the national scientific committee, will goes to the final referee process in order to publish in the Iranian Journals such as Journal of Seed Science and Technology, Seed and Plant Improvement Journal, Seed and Plant Production Journal and Journal of Horticultural Science and Technology. Note that these journals considering the manuscript for publications based on original research results and after referee process. Note that, the mentioned journals already agreed to accept IrHC2017 national scientific committee referee process with addition and nominating one referee from a list of journal’s referees or editorial board members of the journal to complete the review. In addition, all abstracts will publish in the IrHC2017 abstract book and electronic CD.
Technical & Pre or Post Congress Tours

Iran is a big country with a long history with attractive, beautiful and historic places where are worth to visit. In addition, the technical visit to the specific Iranian horticulture industry or native germplasm collection sites may be organized. The detail will be indicating in the further announcements.

Accommodations

Tehran is a big and modern city with numerous at various levels of accommodation. Congress secretariat has planned to discuss with specific Hotels for reasonable discounts to all delegates that need accommodation. The detail and description of the accommodations will indicate in the further announcements in 2016.

Fees & Registrations

Fees and registration procedure will be announced in the second announcement. Note that, in order to encourage non-members to be a member of either related societies ISHS or IrSHS, members will receive discount either in the national or international part of the IrHC2017 in the registration fee. We expect that the high number of the Iranian scientists will encourage being a member of ISHS before the IrHC2017.

Announcements

The brief info related to the first and further related announcements and news will be distributed to the interested delegates through either the IrSHS or ISHS channels or other related national and international societies. The detailed of any announcements as a PDF file will upload to the IrHC2017 website with the following URL: www.IrHC2017.org. In addition to the IrHC2017 official website, we encourage updating for the IrHC2017 announcements and latest news with the following URL address:

- http://www.ishs.org/symposium/643

The website of the IrHC2017 will announce all related information either in the international or national part of the event and the URL already appeared in the above ISHS and IrSHS websites.

The Venue

TMU has a good facilities and conference rooms for organizing symposiums and conferences at the national and international level. IrHC2017 will be held on the main campus of the University in Tehran. Note that College of Agriculture is located 19 km west of Tehran also has suitable conference rooms.

CONTACT

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<tr>
<th>SCIENTIFIC SECRETARAIT</th>
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<tr>
<td>Department of Horticultural Science, Tarbiat Modares University (TMU), P. O. Box 14115-336, Tehran, Iran. Tel/Fax: +98 21 482 92 115 Email: <a href="mailto:IrHC2017@modares.ac.ir">IrHC2017@modares.ac.ir</a></td>
<td>Department of Horticultural Science, Tarbiat Modares University (TMU), P. O. Box 14115-336, Tehran, Iran. Tel/Fax: +98 21 482 92 115 Email: <a href="mailto:IrHC2017@gmail.com">IrHC2017@gmail.com</a></td>
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